GB

VME 9309TS

AUDIOVOX®

Thank you for choosing a Audiovox product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Audiovox VME 9309TS Mobile Multimedia Receiver for maximum enjoyment.

Preparation	3
Optional Equipment	4
Warning	4
Installation	5
Wiring Diagram	7
Controls and Indicators	8
Remote Control	10
Using the TFT Monitor	13
Operating Instructions	15
Setup Menu	16
Tuner Operation	20
DVD/VCD Video Operation	23
DVD/CD Audio Operation	29
MP3/USB/WMA/Operation	31
Troubleshooting	32
Care and Maintenance	34
Specifications	35
Warranty Card	

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PREPARATION

Congratulations on your purchase of the Audiovox VME 9309TS Mobile Multimedia Receiver.
It's a good idea to read all of the instructions before beginning the installation. We recommend having your Audiovox VME 9309TS installed by a reputable installation shop.

Features

DVD
- Aspect Ratio - Cinema, Normal and OFF (Standby)
- Fast Forward, Fast Reverse - 2X, 4X, 8x and 32X
- Slow Forward, Slow Reverse - 2X, 4X, 8x and 32X
- Play, Pause, Stop, Next Chapter and Previous Chapter

CD / MP3 / WMA
- CD-Text Compatible
- ID3 Tag Compatible
- Directory Search (MP3 / WMA Only)
- Direct Track Access via Remote control
- Burn Up To 1500 MP3 and WMA Files onto a DVD+R */RW*
- Audible Forward / Reverse Track Search
- Random, Repeat and Intro
- Play, Pause, Stop, Next Track and Previous Track

AM-FM-RDS
- USA/Europe/Latin America/Asia Frequency Spacing
- 30 Station Presets (18 FM, 12 AM)
- Auto Stereo/Mono
- Local/Distance
- Auto Store/Preview Scan
- RDS (Radio Data System)

Chassis
- 1.0 DIN (Import / ISO-DIN Mountable)
- Motorized Flip-Out / Flip-Up LCD Screen
- 8 Character / Segment Type Secondary LCD Display
- 7" TFT Active Matrix LCD w/ Anti-Glare Coating
- 336,960 Sub Pixels (1440W X 234H)
- Pixel Pitch - 0.321W X 0.370H
- Screen Tilt
- Beep Tone Confirmation (On-OFF Option)
- Heat Management System - Forced Air Cooling to keep the chip sets operating at nominal temperatures
- USB 1.0 (500 mA max.)

General
- Navigation Ready (NAV101 or NAV102)
- 44-Key Infrared Remote Control
- One Composite Video Output for Additional Screens
- One Audio / Video Auxiliary Input for Game Console, Camcorder, Navigation, etc.
- Three-Band Tone control (Bass, Mid and Treble) w/ seven Preset EQ Curves
- Front, Rear and Subwoofer Line Output
- Subwoofer Phase Control - 0 ~ 180 degrees
- Programmable Volume Control
- Rear Camera Input (Normal and Mirror Image View)
- Touch Screen Calibration Mode
- 100-Ohm Preamp Line Output - All Audio Channels
- 2VRMS Line Output - All Channels
- Rotary Encoder Audio Control

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Optional Equipment

• *NAV101/NAV102*
The VME 9309TS is "navigation ready." Before accessing any navigation features, you must purchase and install the NAV module. All installation and operating instructions will be included with the NAV navigation module. Once the NAV is connected and operating properly, the NAV source mode will become active. While the NAV is not installed, the NAV option appears gray, indicating the function is not available.

• *Rear Camera*
The VME 9309TS is "camera ready." Before accessing any camera features, you must purchase and install a rear video camera. Once the rear camera is connected and operating properly, the CAMERA source mode will become active. While the camera is not installed, the CAMERA option appears gray, indicating the function is not available.

Tools and Supplies

You will need these tools and supplies to install your VME 9309TS:
• Torx type, flat-head and Philips screwdrivers
• Wire cutters and strippers
• Tools to remove existing radio (screwdriver, socket wrench set or other tools)
• Electrical tape
• Crimping tool
• Volt meter/test light
• Crimp connections
• 18 gauge wire for power connections
• 16 – 18 gauge speaker wire

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

NOTE:
If the VME 9309TS is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the computer memory may be lost. Under these conditions, use extra caution during installation to avoid causing a short circuit.

WARNING! Only connect the unit to a12-volt power supply with proper grounding.

WARNING! Never install this unit where operation and viewing could interfere with safe driving conditions.

WARNING! To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle. This is a violation of federal law.

WARNING! Never disassemble or adjust the unit.

WARNING! To prevent injury from shock or fire, never expose this unit to moisture or water.

WARNING! Never use irregular discs.

WARNING! To prevent damage to the mechanism inside this unit, avoid impact to the TFT monitor.

WARNING! Using an improper fuse may cause damage to the unit and result in a fire.

WARNING! The monitor employs an automatic motorized mechanism. To prevent damage to the core mechanism, please do not push, pull or swivel the monitor manually.

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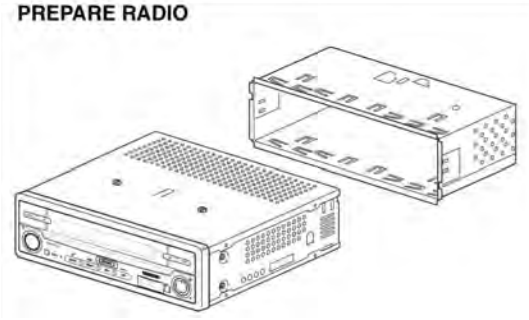
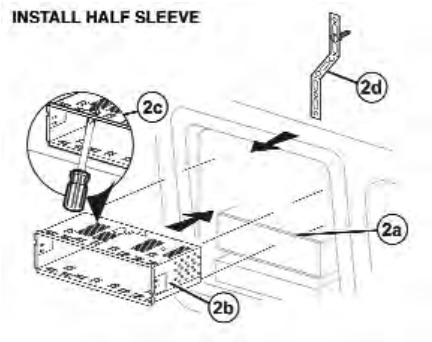
INSTALLATION

Pre-installation
1. Press the metal levers on both sides to remove the halfsleeve from the radio.



2. Install the half-sleeve.
a. Install adapter if necessary (optional).
b. Install half-sleeve into adapter or dashboard (use only the supplied screws). Do not force the sleeve into the opening or cause it to bend or bow.
c. Locate the series of bend-tabs along the top, bottom and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.
d. Install support strap to make the unit more stable.



CAUTION! Be careful not to damage the car wiring.

3. Place the radio in front of the dashboard opening so the wiring can be brought through the mounting sleeve.

Wiring
Complete wiring as illustrated in the wiring diagram on page 8. Once the wiring is complete, reconnect the battery negative terminal. If there is no ACC available, connect the ACC lead to the power supply with a switch.

NOTE:
When replacing a fuse, be sure to use correct type and amperage to avoid damaging the radio. The VME 9309TS uses one 15 amp mini-ATM fuse, located in the black filter box in-line with the main wire harness.

Final Installation
After completing the wiring connections, turn the unit on to confirm operation (ignition switch must be on). If unit does not operate, recheck all wiring until problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.

1. Connect wiring adapter to existing wiring harness.
2. Connect antenna lead.
3. Carefully slide the radio into the half-sleeve, making sure it is right-side-up, until it is fully seated and the spring clips lock it into place.

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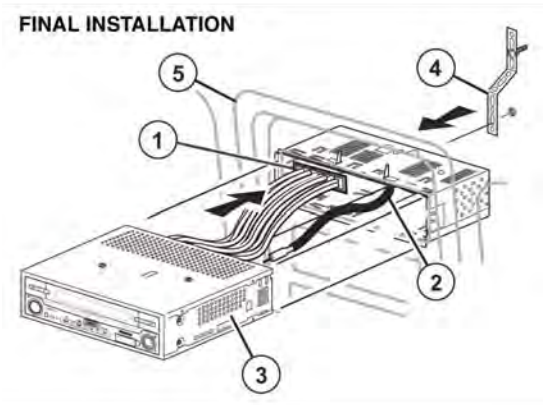
NOTE:
For proper operation of the CD/DVD player, the chassis must be mounted within 20° of horizontal. Make sure the unit is mounted within this limitation.

4. Attach one end of the perforated support strap (supplied) to the screw stud on the rear of the chassis using the hex nut provided. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the radio using the screw and hex nut provided. Bend the strap to position it as necessary.

CAUTION! The rear of the radio must be supported witht he strap to prevent damage to the dashboard from the weight of the radio or improper operation due to vibration.

5. Replace any items you removed from the dashboard.



Final ISO-DIN Installation
1. Remove trim ring.
2. Mount factory brackets on new radio using existing screws from old radio.
3. Slide radio chassis into dash opening and secure.
4. Reinstall dash panel.

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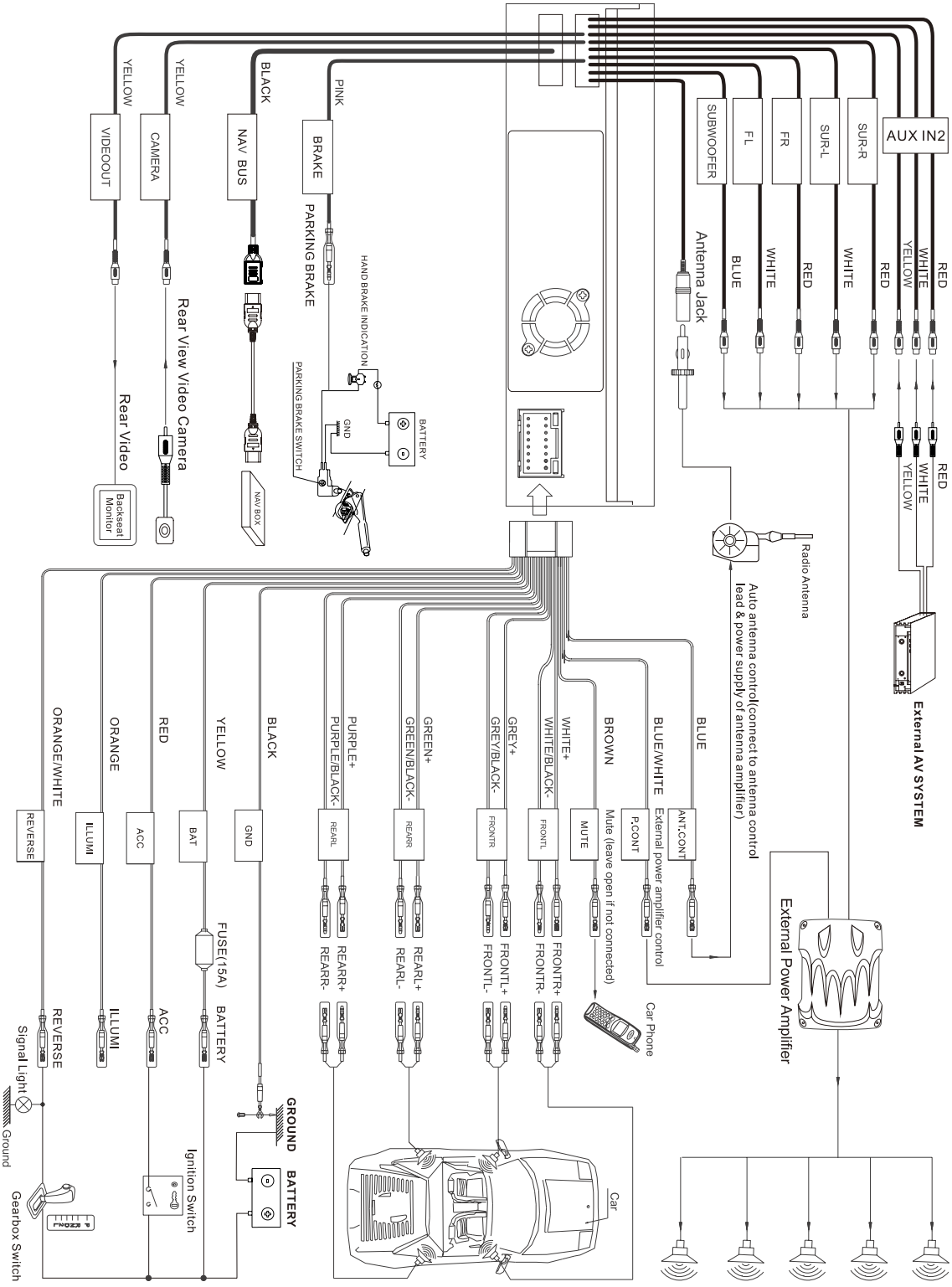
Wiring Diagram



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CONTROLS AND INDICATORS
Button Operation
1. OPEN/CLOSE
Press to activate the automatic mechanical system and move the TFT monitor into viewing position. Press again to close the TFT.

2. ⏮ WIDE/NAV/DISP
When the monitor is retracted the station search function is started in the direction of lower frequencies by pressing button ⏮ . If button ⏮ is pressed briefly when the monitor is extended, the image switches between Full and Standby mode for the monitor. If button ⏮ is pressed and held, the optionally available navigation module appears and the audio stream from the previously selected source keeps playing in the background. The touch screen operation for the navigation interface is inactive in this "MIX" mode. In order to be able to execute TS settings you will need to switch off the "MIX" mode by pressing and holding button ⏮ again.

3. ⏭ / TILT
When the monitor is retracted the station search function is started in the direction of higher frequencies by pressing ⏭.
Pressing the TILT button when the monitor is extended activates the angular adjustment function of the monitor, which can be adapted to requirements by using the volume controller.

4. BAND/PIC
When the monitor is retracted you can switch between FM 1/2/3 and AM1/2 by pressing the BAND button.
When the monitor is extended the brightness and contrast settings can be adjusted by pressing the PIC button.

5. AUDIO/LO/DX
Rotate to adjust the volume. Press and release to enter and/ or confirm audio settings. Press and hold to activate the Local (LOC) setting.

6. SRC
Briefly pressing the SRC button switches on the device. The device is switched off by pressing and holding the SRC button. Briefly pressing the SRC button while the device is switched on and the monitor is retracted activates the source selection function, which appears on the small display. Press this button again repeatedly to alternate between the various sources. The source indicated on the display is selected after 3 seconds. Pressing the SRC button when the monitor is extended displays the source selection menu on the screen, where you are then able to make your selection via the touch screen function.

7. LCD Display

8. FRONT AV INPUT
The front audio/video input function can be selected via the source selection menu (AUX1).
You can connect portable media devices to this input. For details of the connector assignment please refer to page 9.

9. IR Remote Control Receiver

10. RESET
Press to reset system settings to factory default (except the password and parental lock setting).

11. (⏏)
Press once for disc insertion/ejection.Press and hold to reset core mechanism position.

12. TFT Display

13. USB connection
Front USB input including "slidable" cover. The USB input can accommodate standard USB media devices that do not exceed a maximum amperage of 500 mA. Audio and video formats can be played back via this input.
Connectable media include e.g. MP3 players, USB sticks and cameras (provided that these cameras save images in JPEG format).

14. DISP
In the CD/DVD mode the DISP (Display) button activates the upper status line which includes additional information relating to the disc, such as the track number and running time.

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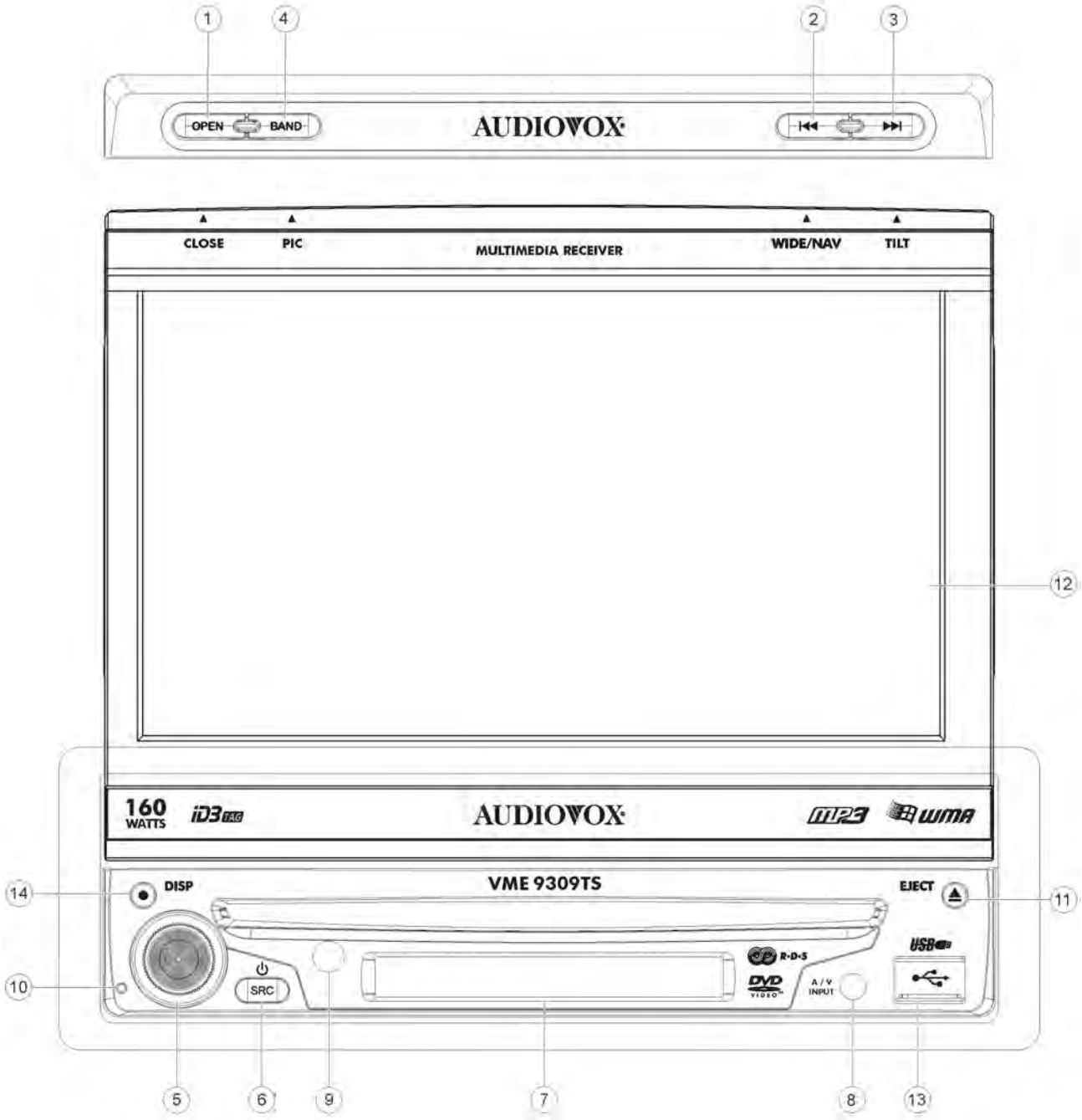

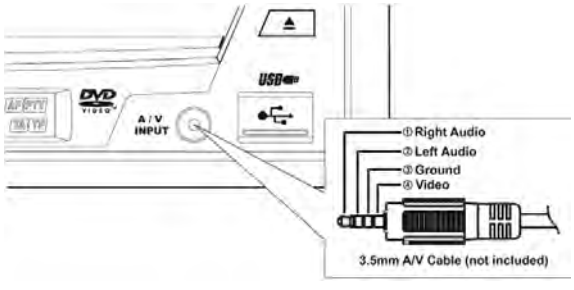

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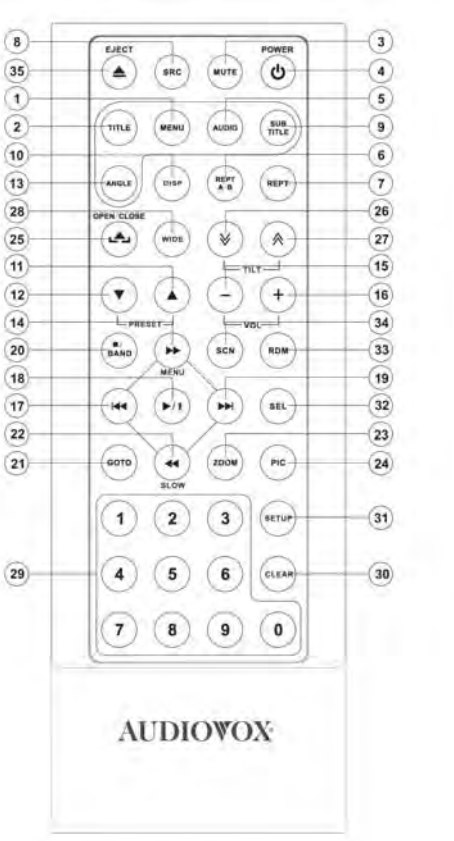
REMOTE CONTROL



NOTE: *Your remote control may differ slightly from the one pictured here. The above diagram is for illustrative purposes only.*

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Name:	Ref. No.					
		DVD	VCD	TUNER	CD/MP3	USB
MENU	1	Open Route Menu Disc				
TITLE	2	Open Title Menu Disc				
MUTE	3	Mute audio signal	Mute audio signal	Mute audio signal	Mute audio signal	Mute audio signal
POWER	4	Power the unit ON/ OFF	Power the unit ON/ OFF	Power the unit ON/ OFF	Power the unit ON/ OFF	Power the unit ON/ OFF
AUDIO	5	Change Audio language of disc playback				
REPT A-B	6	Repeat from time frame A to B				
REPT	7	Repeat of the current chapter				Repeat Single/ Folder/ Off
SRC	8	Select Source	Select Source	Select Source	Select Source	Select Source
SUBTITLE	9	Select subtitle language				
DISP	10	Show playback information/ Clear entry in direct access mode				
PRESET	11	Enlarge picture at DVD/DivX or Picture				
PRESET	12	Reduce picture at DVD/DivX or Picture				
ANGLE	13					
FFW	14	Fast forward				Update title list page up
VOL -	15	Decrease volumen	Decrease volumen	Decrease volumen	Decrease volumen	Decrease volumen
VOL +	16	Increase volumen	Increase volumen	Increase volumen	Increase volumen	Increase volumen
Track back	17	Track back				Select previous track for playback
Enter	18	Start/ Stop playback/ Enter				Start/ Pause playback
Track forward	19	Track forward				Select next track for playback
BAND	20	Stop playback				Stop playback
GOTO	21	Activate direct access mode				
Rewind	22	Fast rewind				Update title list page down
ZOOM	23	Zoom IN/ OUT				
PIC	24	Brightness and Contrast adjustment	Brightness and Contrast adjustment	Brightness and Contrast adjustment	Brightness and Contrast adjustment	Brightness and Contrast adjustment
OPEN/CLOSE	25	TFT Monitor IN/ OUT	TFT Monitor IN/ OUT	TFT Monitor IN/ OUT	TFT Monitor IN/ OUT	TFT Monitor IN/ OUT
TILT	26	Monitor angle decreasement	Monitor angle decreasement	Monitor angle decreasement	Monitor angle decreasement	Monitor angle decreasement
TILT	27	Monitor angle increasement	Monitor angle increasement	Monitor angle increasement	Monitor angle increasement	Monitor angle increasement
WIDE	28	Picture: CINEMA,NORMAL or Stand By				Picture: Cinema or Standby
1,2,3,4,5,6,7, 8,9,0 (Number pad)	29	Jump directly to choosen chapter				Direct access to selected track
CLEAR	30	Delete entrys or leave to avoid errors	Delete entrys or leave to avoid errors	Delete entrys or leave to avoid errors	Delete entrys or leave to avoid errors	Delete entrys or leave to avoid errors
SETUP	31	Display SETUP menu	Display SETUP menu	Display SETUP menu	Display SETUP menu	Display SETUP menu
SEL	32	Open EQ menu	Open EQ menu	Open EQ menu	Open EQ menu	Open EQ menu
RDM	33	Playback all chapter in random order				Playback all tracks in random order
SCN	34					
EJECT	35	Eject disc	Eject disc	Eject disc	Eject disc	Eject disc

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USING THE TFT MONITOR
Open/Close TFT Monitor

Open TFT Monitor

Press the OPEN button (1) on the front panel or press the (⏏) button (25) on the remote control to activate the mechanism that moves the display panel into the viewing position.

Close TFT Monitor

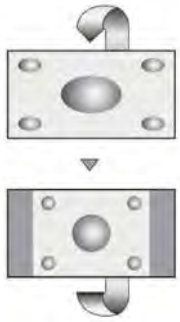
Press the OPEN button (1) on the front panel or press the (⏏) button (25) on the remote control to load the display panel back into the compartment.

TFT Monitor Auto Open
If “TFT Auto Open” is “on” when the unit is turned on, the monitor automatically moves to the viewing position.

If “TFT Auto Open” is ”off” when the unit is turned on, press the OPEN button (1) or (⏏) button (25) on the remote control to move the monitor into the viewing position.
If “TFT Auto Open” is set to ”Manual”, the TFT will not close when the key is turned off.

Monitor Tilt Angle Adjustment
A known characteristic of LCD panels is the quality of the display in relationship to the viewing angle. The monitor angle can be adjusted for optimum viewing using one of the following methods:
Press the Tilt buttom to activate the Tilt function (a yellow symbol appear at the right top corner of the screen).
Step by Step Angle Adjustment
Press the ^ or v button on the remote control to adjust the tilt angle of the screen one step at a time.
Continuous Angle Adjustment
Press and hold the ^ or v button on the remote control to adjust the tilt angle in a continuous motion.
The angle adjustment can be adjusted by the right joystick up and down.

Aspect Ratio
Press the WIDE button (28) on the remote control or WIDE/NAV button (2) on the monitor to adjust the aspect ratio as follows:



FULL
The entire screen is extended horizontally to the aspect ratio of 16 to 9. The extension ratio is the same at any point.

NORMAL
The conventional display image has a 4 to 3 ratio of horizontal to vertical, leaving a blank area on the right and left sides of the display.

STANDBY
Screen becomes black. Touch screen to resume.

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Parameter Adjustment Procedure

1. Enter Picture Quality Setting Mode:
Press the PIC button (24) on the remote control or the BAND/PC button (4) on the monitor.
2. Select Item to Set:
Press the AUDIO button (5) on the control panel to select “BRIGHT” or “CONTRAST”.
3. Set Parameters:
Press the +/– buttons (15, 16) on the remote or turn the rotary encoder (5) on the control panel.
4. Exit Picture Quality Setting Mode:
Press the PIC button (24) on the remote control or the BAND/PIC button (4) on the monitor

Table 2: Video Output Modes

Playing Source	Video Output Modes
AM/FM TUNER	RGB Mode
DISC	RGB Mode
AUX 1 + 2	CVBS Mode
NAV	RGB Mode
CAMERA	CVBS Mode

* CVBS - Composite Video Baseband Signal

Parking Brake Inhibit

- When the “PRK SW” cable is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is applied.
- Parking brake function is overridden when the video source is set to CAMERA.
- When the parking brake inhibit is active, the front monitor displays “Parking Is On”, preventing the driver from watching content while driving. Rear video screens are not affected.

Mute

Press the MUTE button on the front panel (6) or remote control (3) to mute the volume from the unit. Press the MUTE button again to restore the volume. “MUTE” is displayed on the LCD. Adjusting the volume or using any of the audio setup features cancels the mute function. External peripheral devices can be connected to this unit via RCA output or MediaLink. Select “AUX” mode to access and control connected auxiliary devices.

Monitor Movement Mechanism

If an obstruction occurs in the monitor path, the following protective measurements can be executed to prevent damage to the mechanism or monitor:

After the protective procedure is executed, normal operation is resumed by pressing the OPEN button (1) or disconnecting and reconnecting the power.

Obstruction	Self Protection	OPEN Button Pressed	Power Reconnected
Monitor loading out horizontally	Unit stops at obstruction point	Monitor fully extended horizontally	Monitor is automatically loaded into unit
Monitor loading in horizontally	Unit stops at obstruction point	Monitor fully extended horizontally	Monitor is automatically loaded into unit
Monitor loading out horizontally	Unit stops at obstruction point	Monitor swivels back to the unit	Monitor swivels back to the unit
Monitor loading in horizontally	Unit stops at obstruction point	Monitor swivels back to the unit	Monitor swivels back to the unit

Table 3: Monitor Protective Measures

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OPERATING INSTRUCTIONS

Power On / Off

Press the ⏻ 'SRC button (6) on the unit (or the ⏻ ' POWER button (4) on the remote control) to turn the unit on. The buttons on the front of the unit light up and the current mode status appears in the LCD (7). You can also turn on the unit by pressing the OPEN button (1) and opening the TFT screen.

Press and hold the ⏻ button to power off the unit.The monitor is drawn back into the main compartment.

Audible Beep Confirmation

An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

Playing Source Selection

Press the SRC button (6) on the front panel or the SRC button (8) on the remote to change between available playing sources in the following order: AM/FM/RDS, DISC, AUX1, AUX2 and CAMERA (Navigation can be selected if connected). The playing mode is displayed on the TFT and LCD screens.

Volume Adjustment

To increase or decrease the volume level, turn the rotary encoder (5) on the front panel or press the VOL+/ VOL buttons (15, 16) on the remote control. When the volume level reaches “0” or “40”, a beep sounds, indicating that the adjustment limit has been reached. The volume ranges from “0” to “40”. The LCD or TFT screen displays the volume level for 3 seconds.

Audio Control Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer. Press the AUDIO button (5) on the front panel once to display the audio menu. To adjust an audio feature:

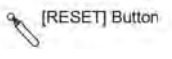
Function	Adjustment option	
EQ	User	Adjustment of Bass/Mid/Treble seperately available
	Rock	By push at the “EQ”-field you can choose between the pre adjusted EQ´s
	Hip Hop	
	Dance	
	Latin	
	Rave Urban Acoustic	
FAD-BAL	By push at the gridfield you can adjust the Fader/Balance accordingly.	

NOTE: *The EQ mode will automatically change to “USER” when individual EQ bands are adjusted*.

The Audio menu will automatically exit after a few seconds of inactivity. To exit quickly, touch the top left corner of the screen or press and hold the AUDIO button (5).

System Reset

To correct a system halt or other illegal operation, use the tip of a pen to press the reset button (10) located on the front bottom-right corner of the unit. After a system reset, the unit restores all factory default settings.



NOTE: *If the unit is reset while a DVD is playing, the DVD resumes play once the reset is complete.*

Line Mute

If the “MUTE” wire is connected, audio output mutes when a telephone call is received by the car phone or when verbal navigation is performed.

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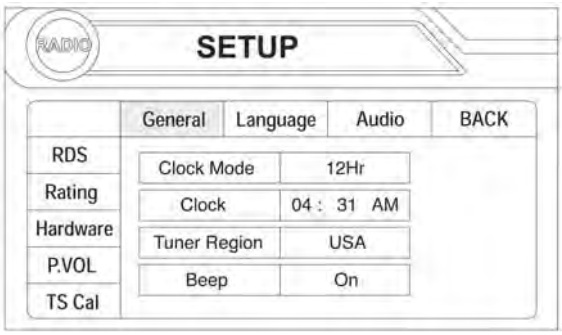
SETUP MENU

To access system settings, press the SETUP button (31) on the remote control or touch the button on the screen to enter the “SETUP” menu. The “GENERAL” sub-menu appears highlighted in blue.



Accessing Menu Items

Touch the sub-menu name to select a sub-menu (Language, Audio, RDS, etc.).

The features available for adjustment under the highlighted sub-menu option will appear in the center of the screen.

Adjusting a Feature

1. Use the touchscreen or press the /\ or V buttons (14, 22) on the remote control to select the feature to be adjusted.
2. Enter the option field for the feature you want to adjust by using the touchscreen or pressing the >/|| button (18) on the remote. A submenu appears in a second row with the selected option highlighted in blue.
3. Select a new value by using the touchscreen or pressing the >> or << buttons (14, 22) on the remote control.
4. Use the touchscreen or press the >/|| button (18) on the remote control to confirm setup.

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General Sub Menu Features

Setting	Options	Function
Clock Mode	12Hr	Clock displays 12 hour time using AM and PM.
	24Hr	Clock displays 24 hour time up to 23:59.
Clock	(HH:MM)	Clock appears in the top right corner of the screen and on the LCD screen during certain operations. NOTE: The AM/PM indication will change as you continue to adjust the hour past 12.
Tuner Region	USA	• AM Frequency Spacing - 10kHz • AM Frequency Band - 530kHz~1720kHz • FM Frequency Spacing - 200kHz • FM Frequency Band - 87.5MHz~107.9MHz
	S.Amer1	• AM Frequency Spacing - 10kHz • AM Frequency Band - 530kHz~1720kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	Arabia	• AM Frequency Spacing - 9kHz • AM Frequency Band - 531kHz~1620kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	China	• AM Frequency Spacing - 9kHz • AM Frequency Band - 522kHz~1620kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	S. Amer2	• AM Frequency Spacing - 5kHz • AM Frequency Band - 520kHz~1600kHz • FM Frequency Spacing - 100kHz • FM Frequency Band - 87.5MHz~108.0MHz
	Europe	• AM Frequency Spacing - 9kHz • AM Frequency Band - 522kHz~1620kHz • FM Frequency Spacing - 50kHz • FM Frequency Band - 87.5MHz~108.0MHz

Setting	Options	Function
	Korea	• AM Frequency Spacing - 9kHz • AM Frequency Band - 531kHz~1602kHz • FM Frequency Spacing - 200kHz • FM Frequency Band - 88.1MHz~107.9MHz
Beep	On	When turned on, an audible beep tone confirms each function selection.
	Off	No beep sounds.

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Language Sub-menu Features

If a DVD supports more than 1 Subtitle or Audio language, all the languages are available for selection during playback. If the selected language is not supported by the DVD, then the default language is used.

Setting	Options	Function
OSD	English	**On Screen Display appears in english.**
	German	**On Screen Display appears in german.**
	Italian	**On Screen Display appears in italian.**
DVD Audio	English	DVD Audio is heard in English when the option is available.
	German	DVD Audio is heard in German when the option is available.
	Italian	DVD Audio is heard in Italian when the option is available.
DVD Subtitle	English	DVD subtitles automatically appear in English when available.
	German	DVD subtitles automatically appear in German when available.
	Italian	DVD subtitles automatically appear in Italian when available.
	Off	DVD subtitles do not appear automatically.
Disc Menu	English	DVD menu (if applicable) is displayed in English.
	German	DVD menu (if applicable) is displayed in German.
	Italian	DVD menu (if applicable) is displayed in Italian.

Audio Sub-menu Features

Setting	Options	Function
Subwoofer	Off	Turn the subwoofer on/off.
	On	

Setting	Options	Function
Sub.W Phase	0	Subwoofer output IN phase
	180	Subwoofer output OUT OF phase
		NOTE: Depending on your installation, reversing the subwoofer phase may increase Bass output.

Setting	Options	Function
RDS	On	Unit will display Radio Data System information when available.
	Off	
CT	On	Clock timesupported by RDS
	Off	Manual Clocktime adjustment
TA/Vol		Volumen increasement for traffic announcements.

Subject to technical changes

Rating Sub-menu Features

The DVD system has a built-in parental lock feature to prevent unauthorized persons from viewing restricted disc content. By default, the rating system is unlocked. Once setup, the parental lock is released only by entering the correct password. Once the password is entered, rating is available for setup.

The default password is 0000.

Setting	Options	Function
Password		Enter a 4-digit password to activate the “Rating” feature.
Rating	1. Kid Safe 2. G 3. PG 4. PG-13 5. PG-R 6. R 7. NC-17 8. Adult	Select the apprpriate rating level for the intended audience. You may override higher ratings by using your password.
Load Factory	Reset	Select “Reset” to restore the

To reset the password, access the “RATING” menu and enter the current password. Once the correct password is entered, you can access the “Password” field and enter a new one.

NOTE: *Record the password and keep it in a safe place for future reference. The rating for each disc is marked on the disc, disc packing, or documentation. If the rating is not available on the disc, the parental lock feature is unavailable. Some discs restrict only portions of the disc and the appropriate content will play. For details, please refer to the disc description*.

Hardware Sub-menu Features

If the rear-view video camera is connected, the unit is on, and the TFT monitor is retracted inside the unit, the TFT monitor automatically moves into the viewing position and Camera mode is selected upon shifting into REVERSE gear. When shifting into DRIVE gear, the TFT monitor is retracted back inside unit.

Setting	Options	Function
Camera In	Normal Mirror	
TFT Auto Open	On	The TFT panel automatically opens when the unit is turned on.
	Off	You must press the OPEN button (1) to open the TFT panel.
	Manual	When the ignition is turned OFF, the TFT panel DOES NOT retract if it was previously out.

If the monitor is in display mode, the monitor automatically switches to CAMERA mode upon reverse driving. When the reverse driving stops, the monitor return to its original input mode.

P.VOL Sub-menu Features

Setting	Options	Function
Source	DISC RADIO AUX 1 AUX 2 NAV USB	Choose a sourcefor which you would like to increase the relative volume (LEVEL). Use the +/- buttons to increase relative volume for specified source up to 6 decibels.

TS Cal (Screen Calibration)

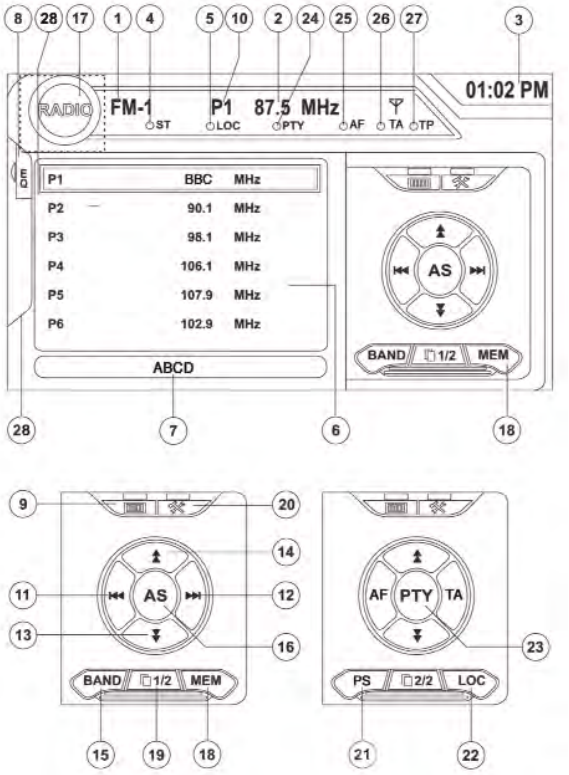
To access the “Screen Calibration” function from the SETUP menu, select the “TS CAL” option.
After entering calibration mode, a crosshair appears in a corner quadrant of the screen. To begin calibration, press and hold the crosshair for one second until it moves to the next quadrant. Continue for each quadrant until the calibration is completed.

Exiting the System Setup Menu

To exit setup mode and resume normal playback, press the SETUP button (31) on the remote control or touch the BACK button on the screen.

Subject to technical changes

TUNER OPERATION
Tuner TFT Display



1. Current radio band indicator
2. Radio frequency indicator
3. Clock
4. Stereo broadcasting indicator
5. Strong Local signal broadcasting indicator
6. Preset radio stations: Touch to recall preset stations
7. RDS Information: PS (Program Service), PTY (Program Type), RT (Radio Text)
8. Touch for quick access to Equalizer level settings
9. Touch to access the direct entry screen
10. Current preset station indicator
11. **|<<**: Touch to seek backward
12. **>>|**: Touch to seek forward
13. Touch to tune backward one step
14. Touch to tune forward one step
15. **BAND**: Touch to change between AM/FM bands
16. **AS**: Touch to automatically store stations
17. Touch to view the SOURCE MENU and select a new playback source
18. **MEM**: View screen used to enter current channel into preset memory
19. **1/2** or **2/2**: Touch this page button to view a second page of on-screen buttons
20. Touch to view the SETUP menu
21. **PS** (Preview Scan): Touch to scan all stations available, stopping for 5 seconds at each and continuing until a station is selected
22. **LOC**: Touch to tune to strong local stations
23. **PTY**: When PTY is pressed, the Program Type categories are listed, allowing listeners to find similar programing by genre. When a PTY category is selected from the touch screen menu, the radio will start scanning for the selected category.
24. Indicates the PTY function is activated
25. Indicates the RDS function is activated
26. **TA:** (Traffic Announcement) indicator
27. **TP:** (Traffice Program) indicator
28. Broadcaster information stored at the preset

Subject to technical changes

Switch to Radio Tuner source

• Touch the top left corner of the screen (the RADIO circle) to view the SOURCE MENU. Touch “Radio”.
• Press the SRC button (6) on the front panel or remote control (8) to switch to the AM/FM or RADIO source.

Select FM/AM Band

Touch the BAND button (15) on the screen, or press the BAND button on the unit (4) or remote control (20) to change between the following bands: FM1, FM2, FM3, AM1, and AM2

NOTE: *The BAND button on the unit only works when the TFT is closed.*

Seek Tuning

To seek the next higher station:
• Touch the >>| button on screen.
• Press the >>| button (19) on remote control.

To seek the next lower station:
• Touch the |<<| button on screen.
• Press the |<< button (17) on the remote control.

Manual Tuning

To increase or decrease the tuning frequency one step:
• Touch the ⋀ or ⋁ buttons on screen.
• Press the >> or << buttons (14, 22)on the remote control.

Direct Tuning
To enter a radio station directly, touch the ⌨ button.

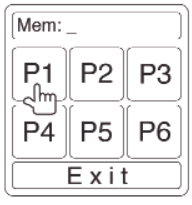
Enter the desired radio station using the on-screen numberpad. Press the enter button (arrow) to tune to the selected station. To exit the screen without changing the station, touch Exit. To clear your entry and start over, touch Clear.

Using Preset Stations

Six numbered preset buttons store and recall stations for each band. All six stored stations (P1-P6) for the current band appear on the screen.

Storing a Station

1. Select a band (if needed), then select a station.
2. Touch the on-screen MEM button (18) to open the preset screen.
3. Touch the preset number in which you would like to store the current station (or press EXIT to cancel and close the menu). The preset number and station appears highlighted.



Subject to technical changes

Recalling and Storing broadcaster using the presets and the Automatic Storing (AS) Function:

Recalling a Station

1. Select a band (if needed)
2. Touch an on-screen button (P1- P6) to select the corresponding stored station.

Manual Storing of a Station

1. Please manual tune to the desired broadcaster (Frequency)
2. Push the MEM on-screen button and then select the desired preset (P1- P6)
3. The broadcaster will be stored at the selected one
4. Instead of the frequency the Program Service ID (i.e. BBC) will be stored

Automatic Storing (AS) of the strongest Stations

1. Push the Automatic Storing (AS) on-screen button for 2 seconds
2. The VME start scanning the available broadcasters (which take a while)
3. Once scanning is finished the 6 strongest ones will be stored at P1- P6
4. During Automatic Storing (AS) only the frequencys will be stored at P1- P6 to decrease the scanning/ storing time
5. If you now manually select P1- P6, then the PS information will be finally stored for the selected preset (i.e. P2: BBC)

Radio Text message bar

1. The Radio Text (RT) information is a part of the RDS signal which is supplied by the broadcaster. This information will be shown at the lower bar (i.e. ABCD)
2. Not all broadcaster support this additional information or all the time

Preview Scan (PS)

To scan the AM or FM band for a preview of available stations in your particular area, touch the 1/2 button to access the second screen of menu options touch the PS button (21). Touch again to stop preview scan.

Local Radio Station Seeking (LOC)

When the Local function is on, only radio stations with a strong local radio signal are played. To activate the Local function in AM/FM tuner mode, touch the 1/2 button to access the second screen of menu options, and then touch the onscreen LOC button. Touch the LOC button again to turn Local off. When the Local function is active, the LOC indicator at the top of the screen is illuminated.

Subject to technical changes

DVD/VCD VIDEO OPERATION

NOTE: *When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays "PARKING" with a blue background. Rear video screens, if applicable, will operate normally.*

Opening/Closing the TFT Video Screen

Opening the TFT Screen
To open the TFT video screen, press the OPEN button (1). The unit beeps and then opens.
Closing the TFT Screen
Press the OPEN button (1) again to close the TFT screen. If the screen is in the "IN" position, it moves out before closing.

Insert/Eject Disc

Upon inserting a DVD disc, DVD mode is entered and disc play begins.

NOTE: *If Parental Lock (Rating) is activated and the disc inserted is not authorized, the 4-digit code must be entered and/or the disc must be authorized (see "General Sub-menu Features" on page 24) .*

You cannot insert a disc if there is already a disc in the unit or if the power is off.

NOTE: *DVD-R and DVD-RW will not play unless the recording session is finalized and the DVD is closed.*

Ejecting a Disc

Press the ▲ button (11) on the unit or remote control (35) to eject the disc. The unit automatically reverts to Tuner mode.
You may eject a disc with the unit powered off. The unit will remain off after the disc is ejected.

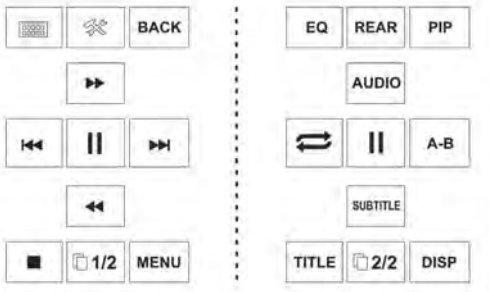
Reset the Loading Mechanism

If the disc loads abnormally or an abnormal core mechanism operation occurs, press and hold the ⏏ button (11) on the unit or remote control (35) to reset the loading mechanism. Normal operation resumes.

Accessing DVD Mode

To switch to DVD mode when a disc is already inserted, press the SRC button (6) on the front panel or remote control (8) until "DISC" appears at the bottom of the screen.

Controlling Playback



To access the on-screen controls, touch the screen. Touch the 1/2 button to view a second page of controls.

Subject to technical changes

Stopping Playback

Touch the stop button (■) on the screen or press the ■ / BAND button (20) on the remote control to stop DVD play.

Pausing Playback

Touch the pause button (||) on the screen (or press the >/|| button on the remote control) to suspend disc playback. Press the > button on the screen to resume disc playback.

Slow Motion Playback

Press the << button (22) on the remote control or the << button on the screen to play the current title in slow motion. Keep pressing and releasing the button to increase the rate from “2X” to “4X”, “8X”, and “20X”. Press >/|| (18) on the remote control or touch the onscreen play button (>) to resume normal play.

Fast Forward Playback

Press the >> button (14) on the remote control or the >> button on the screen to fast forward. Keep pressing and releasing the button to increase the rate from “2X” to “4X”, “8X”, and “20X”.

Press >/|| (18) on the remote control or touch the onscreen play button (>) to resume normal play.

Repeat Playback

Press the REPT button (7) on the remote control or the ⇄ button on screen to alter repeat mode according to the following:

- DVD: Repeat Chapter, Repeat TItle, Repeat Off
- VCD (PBC Off): Repeat Single, Repeat Off

NOTE: *For VCD play, the repeat function is not available if PBC is on.*

Sectional Repeat Function (A-B)

Use the A-B function to define a specific area of a disc to repeat.

- Press the RPT A-B button (6) on the remote control (or the A-B button on screen) to set the start point (A) of the repeated section.
- Press the RPT A-B button again once you reach the desired end point (B) of the repeated section. The selected portion of the DVD will now repeat continuously.
- Press the RPT A-B button again to cancel the A-B section setting and stop repeat play.

NOTE: *When a VCD is playing with PBC turned “On”, activating random playback automatically turns PBC off.*

Random Playback

With a DVD, VCD, or CD playing, press the RDM button (33) on the remote control to activate random playback and play all chapters/tracks in random order. “On” appears on the screen. Press the >>| button (19) on the remote control to play the next random track.
Press the RDM button again to turn random play off.

NOTE: *When a VCD is playing with PBC turned “On”, activating random playback automatically turns PBC off.*

Subject to technical changes

Accessing the DVD Menu

Press the MENU button (1) on the remote control to recall the main DVD menu.
Press the TITLE button (2) on the remote control or on screen to select a different title for playback.
Press the >/|| button (18) on the remote control to confirm your selection and begin playback. You can also select a title using the touch screen.

Moving Through Chapters

Press the >>| button (19) on the remote control or the >>| button on screen to advance to the next chapter on the DVD. Press the |<< button (17) on the remote control or the |<< button on screen to move to the previous chapter.

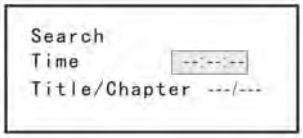
Goto Search

During DVD or VCD playback, perform the following steps to use the GOTO feature to access a specific location on a disc:
1. Press the GOTO button (21) on remote control to enter “GO TO” mode.
2. Press the >> or << buttons (14, 22) on the remote control to select a category (highlighted in blue).

• For DVD mode, you can choose Time or Title/ Chapter search.

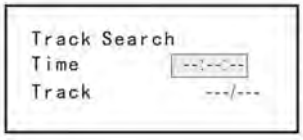
• For VCD mode, press the GOTO button to choose between Track Search, Disc Search and Exit.

VCD Track Search



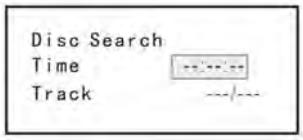
DVD Search

Time – Go to specific time in current title
Title/Chapter – Go to specific time in a chapter
Time – Go to specific time in the current track
Track – Go to specific track



VCD Disc Search

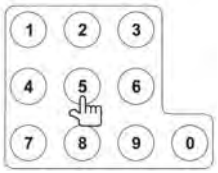
Time – Go to specific time on disc
Track – Go to specific track



Direct Chapter / Track Selection

Remote Control Direct Entry

During DVD, VCD and CD playback, you can use the numeric keypad on the remote control (29) to access a track directly.



3. Enter a time into the field using the numeric keypad (29) on the remote control.
4. Press the >/|| button (18) on the remote control to go to the specified location on the disc.
5. Press the GOTO button again to exit.

Subject to technical changes

Touch Screen Direct Entry

To select a chapter/track directly, touch the button on screen control to display the direct entry menu.

- Title (Titel): _/#
- Chapter (Kapitel): _ _/##
- Time (Zeit): _ _:_ _:_ _

Enter the desired chapter/track using the on-screen number pad. Press the enter button (arrow) to tune to the selected station. To exit the screen without changing the station, touch Exit. To clear your entry and start over, touch Clear.

Viewing an Alternate Picture Angle (DVD Only)

Some DVDs contain scenes that have been shot simultaneously from different angles. For discs recorded with multiple angles, press the ANGLE button (13) on the remote control to toggle available angles of the on-screen image.

Zooming

Press the ZOOM button (23) on the remote control to enlarge and pan through the video image using the following options: “Q1”, “Q2”, “Q3”, and “OFF”.

Multi-Language Discs (DVD Only)

Changing Audio Language
If you are watching a disc recorded in multiple languages, press the AUDIO button (5) on the remote control to choose a language.

Changing Subtitle Language

If you are watching a disc recorded in multiple languages with subtitles, press the SUBTITLE button (9) on the remote control to choose the language in which you would like the subtitles to appear.

Subject to technical changes

NOTE: *During VCD playback, press the AUDIO button (5) on the remote control to choose between Left Channel, Right Channel, and Stereo.*

PBC (Play Back Control - VCD Only)

For VCDs with play back functionality, play back control (PBC) provides additional controls for VCD playback.
Press the MENU button (1) on the remote control to toggle the PBC function “On”/”Off”. Once PBC is on, playback starts from track one of the play list.

NOTE: *When PBC is activated, fast forward, slow playback, and previous/next track are available. Repeat and direct track selection are not available.*

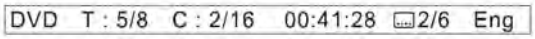
When PBC is activated, selecting random, scan, or search playback automatically deactivates PBC.

Playback Information

During DVD and VCD playback, press the DISP button on the control panel (14) or remote control (10) to display playback information on the screen, including the media playing and current playback time.

DVD Playback Information
The following information is displayed at the top of the screen during DVD playback:

- Title: 05/08 – “05/08" indicates the fifth of 8 titles on the DVD is currently playing.
- C : 2/16 – “2 / 16" indicates that the second of 16 titles on the DVD is currently playing.



00:41:28 – “00:41:28” indicates the playback time of the current title.

- 2 / 6 Eng – The language display information indicates the second language out of 6 (English) is currently being used.

VCD Playback Information
The following information is displayed at the top of the screen during VCD playback:

- VCD2.0 – Format of current disc.
- T: 6/18 – “6/18” indicates the sixth of 18 tracks on the VCD is currently playing.

00:02:18 – “00:02:18” indicates the playback time of the current track.

Subject to technical changes

General Disc Information

Table 5: Disc Properties

Symbol	12cm Disc Properties	Max Play Time
DVD VIDEO DVD VIDEO	Single side single layer (DVD-5) Single side double layer (DVD-9) Double side single layer (DVD-10) Double side double layer (DVD-18)	(MPEG 2 Method) 133 minutes 242 minutes 266 minutes 484 minutes
COMPACT disc DIGITAL VIDEO	Single side single layer (VCD)	(MPEG 1 Method) 74 minutes
COMPACT disc DIGITAL AUDIO TEXT	Single side single layer	74 minutes

Table 6: Disc Symbols

Symbol	Meaning
8	Number of voice languages recorded. The number inside the icon indicates the number of languages on the disc (maximum of 8).
32	Number of subtitle languages available on the disc (maximum of 32).
9	Number of angles provided (maximum of 9).
16:9 LB	Aspect ratios available. "LB" stands for Letter Box and "PS" stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.
ALL	Indicates the region code where the disc can be played. • Region 1: USA, Canada, East Pacific Ocean Islands • Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East • Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia • Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands/ Oceania • Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia • Region 6: Mainland China • ALL: All regions
2	Regional Coding:Both the DVD-Player and discs are coded by region. These region codes must match in order for the disc to play. If the codes do not match, the disc won't play. This unit's code is 2. DVD's with other region codes cannot be played in this unit.

Subject to technical changes

DVD/CD AUDIO OPERATION

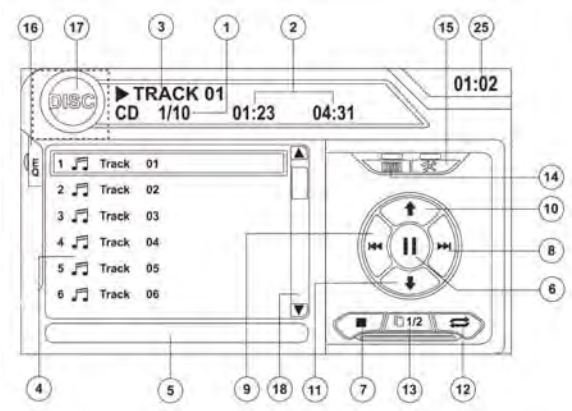
Instructions for TFT control and Insert/Eject are the same for DVD and CD operation. Please see the DVD/Disc Video Operation section for information about these topics. The VME 9309TS will play music or other audio files from the following disc media:

- CD-DA
- CD-R/RW
- DVD
- DVD+R/RW
- DVD-R/RW

Upon inserting a disc with the TFT screen open, the disc and track title (if available), along with the track number and playing time appear on the screen.

CD Player User Interface

The on-screen indicators and touch key areas for CD playback are outlined below.



1. Current track and total number of tracks on disc
2. Elapsed playing time
3. Current time
4. Track titles
5. Disc title
6. Touch to play/pause disc playback
7. Touch to stop disc playback
8. >>|: Touch to move to next track
9. |<<: Touch to move to previous track
10. >>: Touch to fast forward current track
11. <<: Touch to rewind current track
12. Touch to activate/deactivate Repeat play mode
13. Touch to open sub page
14. Touch to access the direct entry screen
15. : Touch to view the SETUP menu
16. Touch for quick access to Equalizer level settings
17. Touch to view the SOURCE MENU and select a new playback source
18. Touch and slide to show next track or page
25. Clock time

Subject to technical changes

Controlling Playback

Stopping Playback

Touch the ■ button on screen or press the ■ /BAND button (20) on the remote control to stop disc play.
To resume playback, touch the ▸ button on screen or press the >/|| button on the remote control (18).

Pausing Playback

Touch the ▸ button on screen to suspend or resume disc playback.

Moving Through Tracks

Press the >>| button (19) on the remote control or on screen to advance to the next track on the disc. Press the |<< button (17) on the remote control or on screen to move to the previous track.

Repeat Playback

Touch the ⇄ button on screen, press the RPT button on the remote control (7) to alter repeat mode according to the following:

- DVD: Repeat Chapter, Repeat Title, Repeat Off
- CD-DA: Repeat One, Repeat All, Repeat Off
- CD-R/RW: Repeat One, Repeat All, Repeat Off
- DVD-R/RW: Repeat One, Repeat All, Repeat Off

Track Scan Select (CD-DA discs only)

During disc play, press the SCN button on the remote control (34) to play the first 10 seconds of each track. When a desired track is reached, press the SCN button again to cancel the function and play the selected track.

Random Play Select

While disc play is stopped, press the RDM button on the remote control (33) to play the tracks on the disc in a random, shuffled order. Touch the RDM button again to cancel Random Play mode.

NOTE: *CD-R and CD-RW will not play unless the recording session is finalized.*

Fast Forward/Fast Rewind

Touch the button on screen **>>** to fast forward and the button **<<** to fast rewind. Keep pressing and releasing the button to increase the rate from “2X” to “4X”, “6X”, “8X” and “20X”

Direct Track Entry

To select a track directly, touch ⌨ the button on screen to display the direct entry menu.

Enter the desired track number using the on-screen number pad, and then press the Enter button. To exit the screen without making a selection, touch Exit. To clear your entry and start over, touch Clear.

Subject to technical changes

MP3/USB/WMA-Operation

Instructions for TFT control and Insert/Eject are the same for DVD and MP3 operation. Please see the DVD/Disc Video Operation section for information about these topics.

MP3/WMA Media and File Requirements
This player allows you to play back MP3 and WMA files recorded onto CD-R/RWs, DVD+R/RWs, and DVD-R/RWs. For CD-RW discs, please make sure it is formatted using the full method and not the quick method to prevent illegal disc operation. Up to 1500 songs/files can be burned onto a disc for a MEGA DVD music mix. Do not exceed this number of songs/files or disc readability problems may occur.

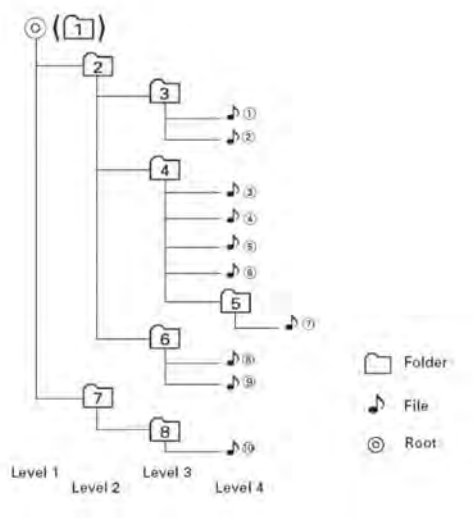
MP3 Format Compatibility
The file naming formats listed below are compatible with this unit:
• ISO 9660 – file name: 12 characters, file extension: 3 characters
• ISO 9660 – file name: 31 characters, file extension: 3 characters
• Joliet – 64 characters

If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly. Use the following settings when compressing audio data for your MP3 disc:

• Transfer Bit Rate: 128kbps
• Sampling Frequency: 48kHz

When recording MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to maximum disc capacity, use the "Disc at once" setting.

MP3 Playing Order
When selected for play, files and folders (Folder Search, File Search or Folder Select) are accessed in the order they were written by the CD writer. As a result, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3/WMA files are to be played by writing them onto a medium such as a CD-R with their file names beginning with play sequence numbers such as "01" to "99".For example, a medium with the following folder/file hierarchy is subject to Folder Search, File Search or Folder Select, as shown below.

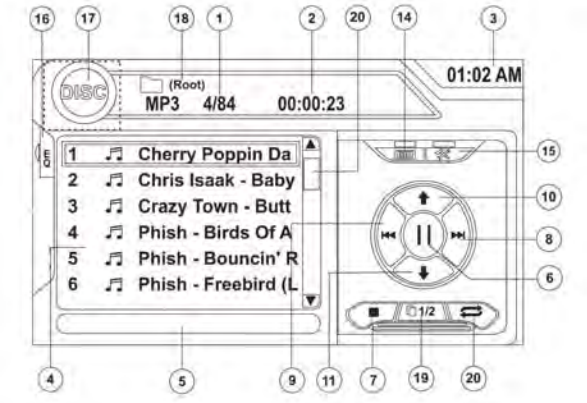


The VME 9309TS player will only recognize three folder levels and does not display folders containing only other folders. In the example above, the unit will display folders 3, 4, 6, and 8, but not 2 and 7 since they do not contain any tracks directly. Folder 5 is not recognized at all since it is at the fourth level.

Subject to technical changes

MP3 User Interface

The on-screen indicators and touch key areas for MP3 playback are outlined below.



1. Current track and total number of tracks on root of disc
2. Elapsed playing time, track length
3. Current time
4. Track titles
5. ID3 information
6. II : Touch to play/pause disc playback
7. DIR-: to previous directory
8. >>|: Touch to move to next track
9. |<<: Touch to move to previous track
10. ⬆ / >>: Touch to navigate playlist
11. ⬇ /<<: Touch to navigate playlist
12. **DIR -**: Touch to view the previous folder
13. **DIR +**: Touch to view the next folder
14. Touch to access the direct entry screen
15. Touch to view the SETUP menu
16. Touch for quick access to Equalizer level settings
17. Touch to view the SOURCE MENU and select a new playback source
18. Folder name
19. **1/2** or **2/2**: ■ Touch to stop disc playback
20. **DIR+**: to next directory

Controlling Playback

Playing MP3/WMA Files

After inserting a MP3/WMA disc, files will play in the sequence of the “Root’ directory.

NOTE: *When burning MP3 / WMA files onto a DVD disc, use the 2X or 4X burning option, if available. This slower burning speed will help eliminate buffer errors and increase disc reading reliability. Also, use folders when burning large numbers of songs / files to a disc for easy music navigation. Select the "Disc at Once" option and close your disc.*

Stopping Playback

Touch the ■ button on screen or press the ■ / BAND button (20) on the remote control to stop disc playback.
To resume playback, touch the ▸ button on screen or press the >/|| button (18) on the remote control.

Pausing Playback

Touch the ▸ button on screen or press the >/|| button (18) on the remote control to suspend or resume disc playback.

Moving Through Tracks

Press the >>| button (19) on the remote control or on screen or to advance to the next track on the disc. Press the |<< button (17) on the remote control or on screen to move to the previous track.

Subject to technical changes

TROUBLESHOOTING

Problem	Cause	Corrective Action
GENERAL		
Unit will not power on	Radio Fuse blown	Install new fuse with correct rating
	Car battery fuse blown	Install new fuse with correct rating
	Illegal operation	Press the RESET button located in the bottom right corner of the front panel
Remote control does not function	Battery depleted	Replace battery with new one
	Battery installed incorrectly	Remove battery and install correctly
No/low audio output	Improper audio output connection	Check wiring and correct
	Volume set too low	Increase volume level
	Improper “MUTE” connection	Review wiring diagram and check “MUTE” connection
	Speakers damaged	Replace speakers
	Heavily biased volume balance	Adjust the channel balance to the center position
	Speaker wiring is in contact with metal part of car	Insulate all speaker wiring connections
Poor sound quality or distortion	Pirated disc is in use	Use original copy
	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker contact
Tel-Mute malfunction	“MUTE” wire is grounded	Check that the “MUTE” connection is not grounded and that it’s properly insulated
Unit resets itself when engine is off	Incorrect connection between ACC and positive battery wire	Check wiring and correct
TFT MONITOR		
Monitor does not open automatically	TFT Auto Open is turned off	Turn TFT Auto Open on
No image	Incorrect connection to parking brake wire	Check wiring and correct
	PRK SW is activated, parking brake is not engaged	Stop vehicle in safe place and apply parking brake
Flashing image or interference appears on screen	DVD is not compatible with current TV system settings	Change setup to accommodate disc
	Improper video signal connections	Check wiring and correct
Prolonged image or improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting
Monitor stops at incorrect position	Moving path is blocked	Press OPEN key to restart monitor movement
TUNER		
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna control cable properly
	Auto antenna not properly connected	Connect the auto antenna control cable properly
	LOCAL function is activated	Turn LOCAL function Disc does not play back
	Disc is warped or scratched	Use disc in good condition
	Disc is dirty or wet	Clean disc with soft cloth
	Laser pickup is dirty	Clean laser pickup with cleaning disc
	Incompatible disc is used	Use compatible disc
	Disc rating exceeds Parental Lock rating limit	Change Parental Lock settings to lower restriction
	Disc region code is not compatible with unit	Use disc with proper region code
	Disc is inserted upside down	Insert disc with label side up

Subject to technical changes

Image blurred, distorted, or dark	Disc is illegally copied	Use original disc
PCB cannot be used during	VCD playback	PCB is not available on the disc
No repeat or searching	while playing VCD	PCB is on Turn PCB off

MP3

Interruption occurred during playback	Disc is dirty or scratched	Clean disc or replace
	File is damaged/bad recording	Recreate disc with good files
Incorrect playback message displayed	Message is longer than LCD can display	

Message Displayed	**Cause**	**Corrective Action**
Loading	Disc is being read	
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
Unknown disc	Disc format is not compatible with this unit	
Region Error	DVD is not compatible with region code of unit	
Error	Illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

Subject to technical changes

Care and Maintenance

1. Use only a clean silicone cloth and neutral detergent to clean the front panel or monitor. A rough cloth and nonneutral detergent (such as alcohol) may result in scratching or discoloration.

2. Do not get water or cleaning fluids on the unit.

3. If the temperature inside the player gets too hot, a protective circuit automatically stops play of the disc. If this occurs, allow the unit to cool before operating the player again.

4. Never insert anything other than a 5” (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.

5. Do not attempt to use a 3” (8 cm) CD-Single disc in this unit, either with or without an adaptor, as damage to the player and/or disc may occur. Such damage is not covered by the Warranty on this product.

6. The CD player may not operate properly in extreme hot or cold. If such conditions occur, allow the interior of the vehicle to reach a normal temperature before using player.

7. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. Should this occur, the screen will not operate properly until the moisture has evaporated.

8. We suggest you use a cleaning disc in this unit more frequently than in the unit in your home due to the environmental conditions of the vehicle.

Subject to technical changes

SPECIFICATIONS

DVD/CD Player

Compatible Disc Media:	DVD + R / RW (Single and Dual Layer) and CD-R / RW
Compatible Media Formats:	CD-DA, MP3, WMA, VCD, SVCD, AVI, MPEG1 / 2, XviD, DivX and Kodak picture CD (JPEG).
Signal to Noise Ratio:	>95dBA
Dynamic Range:	>95dB
Frequency Response:	20Hz to 20 kHz, -3dB
Channel Separation:	> 60dB @ 1 kHz
D/A Converter:	High performance 24-bit / 192 kHz sample rate, Multi-Bit Sigma-Delta Modulator

Video

Format:	NTSC, PAL (auto-detection)
Output:	1Vp-p (75-ohm)
Input:	1Vp-p (75-ohm)

FM Tuner

Tuning Range:	87.5MHz - 107.9MHz
Mono Sensitivity (-30dB):	9dBf
Quieting Sensitivity (-50dB):	15dBf
Alternate Channel Selectivity:	70dB
Signal to Noise Ratio @ 1 kHz:	58dB
Image Rejection:	80dB
Stereo Separation @ 1 kHz:	>30dB
Frequency Response:	30Hz - 15 kHz, -3dB

AM Tuner

Tuning Range:	530 kHz - 1720 kHz
Sensitivity (-20dB):	15uV
Signal to Noise Ratio @ 1 kHz:	50dB
Image Rejection:	60dB
Frequency Response:	50Hz - 2 kHz, -3dB

Monitor

Screen Size:	7.0" (Measured diagonally), 16:9 Widescreen 6.06" (154.1mm) W X 3.42" (87mm) H
Screen Type:	TFT Liquid Crystal Display (LCD) active matrix
Response Time:	30mSec rise time, 50mSec fall time
Resolution:	• 336,960 sub pixels, 1440 (W) X 234 (H)

Viewing angle:

- 65 degrees left or right
- 40 degrees up
- 65 degrees down

General

Auxiliary Input impedance:	10k
Power Supply:	11 to 16VDC, negative ground
Power Antenna (Blue):	500 mA max, current limited protection
USB 1.0	500 mA max. current

Subject to technical changes

(D) Wir gratulieren Ihnen! Durch Ihre kluge Wahl sind Sie Besitzer eines AUDIOVOX Mobile Video-Produktes geworden. AUDIOVOX Mobile Video-Produkte erfreuen sich aufgrund der hohen Qualität eines ausgezeichneten Rufes weltweit. Dieser hohe Qualitätsstandard ermöglicht es für AUDIOVOX Mobile Video-Produkte 2 Jahre Garantie zu gewähren.

Die Produkte werden während des gesamten Fertigungsvorganges laufend kontrolliert und geprüft. Im Servicefall beachten Sie bitte folgendes:

1. Die Garantiezeit beginnt mit dem Kauf des Produktes und gilt nur für den Erstbesitzer.

2. Während der Garantiezeit beseitigen wir etwaige Mängel, die nachweislich auf Material- oder Fabrikationsfehler beruhen, nach unserer Wahl durch Austausch oder Nachbesserung der defekten Teile. Weitergehende Ansprüche, insbesondere auf Minderung, Wandlung, Schadenersatz oder Folgeschäden sind ausgeschlossen. Die Garantiezeit wird von einer Garantieleistung durch uns nicht berührt.

3. Am Produkt dürfen keine unsachgemäßen Eingriffe vorgenommen worden sein.

4. Bei Inanspruchnahme der Garantie wenden Sie sich bitte zunächst an Ihren Fachhändler. Sollte es sich als notwendig erweisen, das Produkt an uns einzuschicken, so sorgen Sie bitte dafür, dass • das Produkt in einwandfreier Originalverpackung verschickt wird, • die Kontrollkarte ausgefüllt dem Produkt beiliegt, • die Kaufquittung beigefügt ist.

5. Von der Garantie ausgenommen sind: • Leuchtmittel • Verschleißteile •Transportschäden, sichtbar oder unsichtbar (Reklamationen für solche Schäden müssen umgehend bei der Transportfirma, Bahn oder Post eingereicht werden.) • Kratzer in Metallteilen, Frontabdeckungen u.s.w. (Diese Defekte müssen innerhalb von 5 Tagen nach Kauf direkt bei Ihrem Händler reklamiert werden.) • Fehler, die durch fehlerhafte Aufstellung, falschen Anschluss, unsachgemäße Bedienung (siehe Bedienungsanleitung), Beanspruchung oder äußere gewaltsame Einwirkung entstanden sind. • Unsachgemäß reparierte oder geänderte Geräte, die von anderer Seite als von uns geöffnet wurden. • Folgeschäden an fremden Geräten • Kostenerstattung bei Schadensbehebung durch Dritte ohne unser vorheriges Einverständnis.

(GB) Congratulations! You have made a wise selection in becoming the owner of a AUDIOVOX Mobile Video equipment. Due to high quality AUDIOVOX products have earned an excellent reputation through the western world. And this high quality standard enables us to grant a 2-years warranty for AUDIOVOX Mobile Video products.

The equipments are checked and tested continously during the entire production process. In case you have problems with your AUDIOVOX Mobile Video equipment, kindly observe the following:

1. The guarantee period commences with the purchase of the component and is applicable only to the original owner.

2. During the guarantee period we will rectify any defects due to faulty material or workmanship by replacing or repairing the defective part at our discretion. Further claims, and in particular those for price reduction, cancellation of sale, compensation for damages or subsequential damages, are excluded. The guarantee period is not altered by the fact that we have carried out guarantee work.

3. Unauthorized tampering with the equipment will invalidate this guarantee.

4. Consult your authorized dealer first, if guarantee service is needed. Should it prove necessary to return the component to the factory, please insure that • the component is packed in original factory packing in good condition • the quality control card has been filled out and enclosed with the component, • your enclose your receipt as proof of purchase.

5. Excluded from the guarantee are: • Illuminates • Wear parts • Shipping damages, either readily apparent or concealed (claims for such damages must be lodged immediately with forwarding agent, the railway express office or post office). • Scratches in cases, metal components, front panels, etc. (You must notify your dealer directly of such defects within three days of purchase.) • Defects caused by incorrect installation or connection, by operation errors (see operating instructions), by overloading or by external force. • Equipments which have been repaired incorrectly or modified or where the case has been opened by persons other than us. • Consoquential damages to other equipments. • Reimbursement of cools, without our prior consent, when repairing damages by third parties.

(F) Toutes nos félicitations!

Vouz avez bien choisi et êtes le propriétaire heureux d'un produit AUDIOVOX. Les produits AUDIOVOX ont une excellente réputation pour leur bonne qualité. Pour cette raison, nous accordons 2 ans de garantie sur les produits AUDIOVOX.

Les appareils sont soumis pendant toutes les opérations de fabrications à des contrôles et vérifications constants. Si, pourtant, vous rencontrez des difficulés avec votre appareil AUDIOVOX veuillez tenir compte de ce qui suit:

1. La garantie débute avec l'achat de l'appareil et est valable uniquement pour le premier propriétaire.

2. Pendant la période de garantie nous réparons les dommages provenant des défauts de matériel ou de fabrication et nous procédons, à notre guise, à l'échange ou à la réparation des pièces défectueuses.

3. Aucune réparation impropre ne doit avoir été effectuée à l'appareil.

4. Lors d'une demande de garantie, veuillez vous adresser en premier lieu à votre distributeur. Si ce dernier décide que l'appareil doit nous être retourné, veuillez tenir compte que: • l'appareil soit expédié dans son ermballage d'origine, • la carte de contrôle dûment remplie soit jointe, • le bon d'achat soit joint.

5. Ne sont pas compris dans la garantie: • Matériel d'eclairage • Pièces d'usure • Avaries de transport, visibles ou non (de telles réclamations doivent être faites immédiatement auprès du transporteur, du chermin de fer ou de la poste). • Des rayures sur le boîtier, pièces métalliques, couvercles etc. (ces dommages doivent être signalés directement à votre distributeur dans les trois jours suivant l'achat). • Dommages résultant d'un raccordement incorrect, maniement incorrect (voir instructions de service), surcharge ou application de force extérieure. • Appareils réparés non conformément ou modifiés et qui ont été ouverts par une personne autre que nous. • Dommages ultérieurs à d'autres appareils. • Remboursement des frais à des tiers ayant effectué les réparations sans notre accord préalable.

GARANTIEKARTE
WARRANTY CARD

Typ/Type

Serien-Nr./Serial-No.

Name und Anschrift des Händlers/Stempel
Name and address of the dealer/stamp

Käufer/Customer

Name/Name _____

Straße/Street _____

PLZ, Ort/City _____

Land/Country _____

Kaufdatum/buying date

Nur gültig in Verbindung mit Ihrer Kaufquittung!
No warranty without receipt!

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